

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010224\
 Data File : VY016889.D
 Acq On : 02 Jan 2024 11:58
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/04/2024
 Supervised By :Semsettin Yesilyurt 01/04/2024

Quant Time: Jan 02 13:52:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 13:45:05 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	140445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	234762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	196666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	82219	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.155	65	27047	19.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	38.960%#
35) Dibromofluoromethane	7.728	113	30670	20.501	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.000%#
50) Toluene-d8	10.191	98	101863	19.774	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	39.540%#
62) 4-Bromofluorobenzene	12.489	95	33894	19.501	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.906	85	22804	19.629	ug/l	94
3) Chloromethane	2.119	50	32333	19.598	ug/l	98
4) Vinyl Chloride	2.259	62	37771	19.409	ug/l	99
5) Bromomethane	2.656	94	26342	18.895	ug/l	97
6) Chloroethane	2.802	64	25317	19.232	ug/l	97
7) Trichlorofluoromethane	3.131	101	47020	19.610	ug/l	98
8) Diethyl Ether	3.534	74	13997	18.266	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	30044	19.270	ug/l	99
10) Methyl Iodide	4.101	142	24611	18.555	ug/l	98
11) Tert butyl alcohol	4.954	59	11123	88.731	ug/l	96
12) 1,1-Dichloroethene	3.887	96	25492	19.057	ug/l	96
13) Acrolein	3.741	56	17227	109.380	ug/l	98
14) Allyl chloride	4.497	41	39750	18.797	ug/l	99
15) Acrylonitrile	5.174	53	30854	86.081	ug/l	99
16) Acetone	3.954	43	40167	103.237	ug/l	98
17) Carbon Disulfide	4.210	76	57993	18.144	ug/l	98
18) Methyl Acetate	4.491	43	22516	15.140	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	61176	17.578	ug/l	99
20) Methylene Chloride	4.729	84	40929	17.726	ug/l	98
21) trans-1,2-Dichloroethene	5.241	96	28475	18.586	ug/l	99
22) Diisopropyl ether	6.131	45	93979	19.222	ug/l	96
23) Vinyl Acetate	6.076	43	208590	93.048	ug/l	99
24) 1,1-Dichloroethane	6.033	63	56248	19.145	ug/l	98
25) 2-Butanone	7.003	43	48271	95.925	ug/l	99
26) 2,2-Dichloropropane	6.996	77	47968	18.830	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	34368	19.137	ug/l	99
28) Bromochloromethane	7.350	49	21158	19.183	ug/l	100
29) Tetrahydrofuran	7.368	42	23671	84.254	ug/l	95
30) Chloroform	7.521	83	58695	19.386	ug/l	96
31) Cyclohexane	7.801	56	44980	18.880	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	49594	19.319	ug/l	99
36) 1,1-Dichloropropene	7.929	75	41150	18.874	ug/l	99
37) Ethyl Acetate	7.094	43	17892	18.059	ug/l	99
38) Carbon Tetrachloride	7.911	117	41730	18.839	ug/l	97
39) Methylcyclohexane	9.197	83	45039	18.376	ug/l	98
40) Benzene	8.173	78	124907	19.099	ug/l	99

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Quant Title : SW846 8260

QLast Update : Tue Jan 02 13:45:05 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	9963	19.093	ug/l	95
42) 1,2-Dichloroethane	8.246	62	32313	18.611	ug/l	99
43) Isopropyl Acetate	8.283	43	33351	17.578	ug/l	98
44) Trichloroethene	8.953	130	31836	19.130	ug/l	98
45) 1,2-Dichloropropane	9.228	63	32259	19.146	ug/l	97
46) Dibromomethane	9.319	93	15800	18.387	ug/l	99
47) Bromodichloromethane	9.508	83	43492	18.848	ug/l	100
48) Methyl methacrylate	9.307	41	17761	17.346	ug/l	98
49) 1,4-Dioxane	9.319	88	3134	352.238	ug/l	94
51) 4-Methyl-2-Pentanone	10.081	43	85574	84.809	ug/l	99
52) Toluene	10.258	92	75342	19.088	ug/l	100
53) t-1,3-Dichloropropene	10.478	75	37098	17.949	ug/l	94
54) cis-1,3-Dichloropropene	9.941	75	47294	19.053	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	23363	18.610	ug/l	98
56) Ethyl methacrylate	10.520	69	17865	16.801	ug/l	98
57) 1,3-Dichloropropane	10.801	76	38292	18.269	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.795	63	52187	89.993	ug/l	98
59) 2-Hexanone	10.843	43	65697	88.425	ug/l	98
60) Dibromochloromethane	10.996	129	26141	18.057	ug/l	99
61) 1,2-Dibromoethane	11.099	107	19538	17.913	ug/l	99
64) Tetrachloroethene	10.734	164	24259	19.026	ug/l	96
65) Chlorobenzene	11.526	112	79075	19.301	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.599	131	29780	19.122	ug/l	98
67) Ethyl Benzene	11.605	91	139127	18.863	ug/l	100
68) m/p-Xylenes	11.715	106	103650	38.284	ug/l	99
69) o-Xylene	12.038	106	48615	19.154	ug/l	100
70) Styrene	12.057	104	70766	19.157	ug/l	99
71) Bromoform	12.221	173	13374	17.444	ug/l #	96
73) Isopropylbenzene	12.343	105	132401	19.720	ug/l	99
74) N-amyl acetate	12.154	43	24102	17.867	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	25151	18.385	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	16486m	18.624	ug/l	
77) Bromobenzene	12.623	156	28606	19.351	ug/l	99
78) n-propylbenzene	12.684	91	163673	20.052	ug/l	99
79) 2-Chlorotoluene	12.770	91	89344	19.739	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	106131	19.987	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	7159	18.220	ug/l	99
82) 4-Chlorotoluene	12.867	91	91215	19.726	ug/l	100
83) tert-Butylbenzene	13.087	119	93160	19.919	ug/l	100
84) 1,2,4-Trimethylbenzene	13.129	105	102836	19.665	ug/l	99
85) sec-Butylbenzene	13.264	105	137172	19.794	ug/l	99
86) p-Isopropyltoluene	13.379	119	111140	19.432	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	55387	19.105	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	54992	19.394	ug/l	98
89) n-Butylbenzene	13.709	91	107766	19.597	ug/l	99
90) Hexachloroethane	13.971	117	23967	19.501	ug/l	97
91) 1,2-Dichlorobenzene	13.751	146	48458	19.341	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3018	17.593	ug/l	97
93) 1,2,4-Trichlorobenzene	15.019	180	22399	18.004	ug/l	98
94) Hexachlorobutadiene	15.123	225	15283	19.609	ug/l	99
95) Naphthalene	15.245	128	36384	17.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	18679	17.682	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

