

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
 Data File : VY016076.D
 Acq On : 26 Oct 2023 11:59
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/27/2023
 Supervised By :Semsettin Yesilyurt 10/27/2023

Quant Time: Oct 27 03:56:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 03:53:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	201446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	329864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	296681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	21585	10.776	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.560%#		
35) Dibromofluoromethane	7.722	113	22463	10.787	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.580%#		
50) Toluene-d8	10.179	98	80025	10.375	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.740%#		
62) 4-Bromofluorobenzene	12.483	95	27603	10.432	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	13989	10.062	ug/l	98
3) Chloromethane	2.113	50	17212	10.103	ug/l	95
4) Vinyl Chloride	2.253	62	19522	10.031	ug/l	99
5) Bromomethane	2.650	94	14873	10.281	ug/l	95
6) Chloroethane	2.790	64	13544	10.160	ug/l	98
7) Trichlorofluoromethane	3.125	101	31668	10.168	ug/l	96
8) Diethyl Ether	3.528	74	10677	10.228	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.900	101	19306	10.275	ug/l	95
10) Methyl Iodide	4.089	142	23920	9.964	ug/l	95
11) Tert butyl alcohol	4.936	59	16662	50.122	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	17419	10.119	ug/l	94
13) Acrolein	3.735	56	13326	53.414	ug/l	98
14) Allyl chloride	4.479	41	27518	10.226	ug/l	91
15) Acrylonitrile	5.155	53	26431	51.613	ug/l	98
16) Acetone	3.948	43	28551	52.587	ug/l	90
17) Carbon Disulfide	4.192	76	48558	10.198	ug/l	100
18) Methyl Acetate	4.473	43	19608	10.215	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	49051	9.992	ug/l	97
20) Methylene Chloride	4.716	84	28864	8.854	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	20005	10.026	ug/l	91
22) Diisopropyl ether	6.119	45	59971	10.192	ug/l	92
23) Vinyl Acetate	6.058	43	158671	50.331	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	36323	10.247	ug/l	94
25) 2-Butanone	6.984	43	38237	52.181	ug/l	94
26) 2,2-Dichloropropane	6.978	77	33599	10.196	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	23772	10.145	ug/l	94
28) Bromochloromethane	7.338	49	14147	9.755	ug/l	90
29) Tetrahydrofuran	7.350	42	21293	50.645	ug/l	94
30) Chloroform	7.503	83	38514	10.285	ug/l	99
31) Cyclohexane	7.783	56	32657	10.363	ug/l #	82
32) 1,1,1-Trichloroethane	7.704	97	34166	10.172	ug/l	99
36) 1,1-Dichloropropene	7.917	75	29715	10.237	ug/l	99
37) Ethyl Acetate	7.070	43	14823	9.963	ug/l #	92
38) Carbon Tetrachloride	7.899	117	30703	10.002	ug/l	99
39) Methylcyclohexane	9.185	83	35091	9.923	ug/l	89
40) Benzene	8.161	78	83452	10.154	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	7572m	9.724	ug/l	
42) 1,2-Dichloroethane	8.234	62	24357	10.257	ug/l	91
43) Isopropyl Acetate	8.271	43	28071	10.091	ug/l	92
44) Trichloroethene	8.941	130	23100	10.066	ug/l	96
45) 1,2-Dichloropropane	9.216	63	20744	9.973	ug/l	95
46) Dibromomethane	9.307	93	12426	10.189	ug/l	96
47) Bromodichloromethane	9.496	83	29155	9.885	ug/l	93
48) Methyl methacrylate	9.289	41	12599	9.831	ug/l	87
49) 1,4-Dioxane	9.301	88	2971	194.708	ug/l #	58
51) 4-Methyl-2-Pentanone	10.069	43	73474	50.054	ug/l	92
52) Toluene	10.246	92	53227	10.086	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	29716	9.852	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	33838	9.920	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	17319	9.995	ug/l	96
56) Ethyl methacrylate	10.508	69	21633	9.714	ug/l #	86
57) 1,3-Dichloropropane	10.789	76	29329	10.125	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.783	63	54217	48.904	ug/l	94
59) 2-Hexanone	10.831	43	55632	51.450	ug/l	91
60) Dibromochloromethane	10.984	129	21065	9.927	ug/l	99
61) 1,2-Dibromoethane	11.087	107	16942	10.210	ug/l	99
64) Tetrachloroethene	10.721	164	19770	10.070	ug/l	93
65) Chlorobenzene	11.514	112	58044	9.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	21971	10.091	ug/l	97
67) Ethyl Benzene	11.593	91	102432	9.891	ug/l	97
68) m/p-Xylenes	11.703	106	79441	19.823	ug/l	96
69) o-Xylene	12.032	106	37723	9.832	ug/l	96
70) Styrene	12.044	104	62226	9.730	ug/l	97
71) Bromoform	12.209	173	13009	9.809	ug/l #	100
73) Isopropylbenzene	12.331	105	101035	9.903	ug/l	99
74) N-amyl acetate	12.142	43	23925	9.617	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	21267	10.197	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	15194m	10.196	ug/l	
77) Bromobenzene	12.611	156	23475	9.859	ug/l	99
78) n-propylbenzene	12.672	91	123123	9.967	ug/l	99
79) 2-Chlorotoluene	12.758	91	69682	10.072	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	84422	9.966	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	6736	9.890	ug/l	93
82) 4-Chlorotoluene	12.855	91	72768	10.142	ug/l	100
83) tert-Butylbenzene	13.075	119	74133	9.846	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	84398	10.088	ug/l	100
85) sec-Butylbenzene	13.252	105	111681	9.959	ug/l	100
86) p-Isopropyltoluene	13.367	119	92841	9.921	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	48327	10.051	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	47871	10.074	ug/l	97
89) n-Butylbenzene	13.697	91	86942	9.960	ug/l	97
90) Hexachloroethane	13.959	117	18122	9.947	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	43433	10.203	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3322	10.146	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	26210	9.952	ug/l	98
94) Hexachlorobutadiene	15.111	225	15666	10.249	ug/l	98
95) Naphthalene	15.233	128	48678	9.477	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	22713	10.001	ug/l	97

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

