

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015070.D
 Acq On : 14 Aug 2023 10:31
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/15/2023
 Supervised By :Semsettin Yesilyurt 08/15/2023

Quant Time: Aug 14 12:11:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:10:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	232411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	374575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	329745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54165	19.434	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.860%#		
35) Dibromofluoromethane	7.710	113	47601	19.597	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.200%#		
50) Toluene-d8	10.179	98	176101	19.484	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.960%#		
62) 4-Bromofluorobenzene	12.477	95	63759	19.440	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25880	23.559	ug/l	95
3) Chloromethane	2.113	50	30390	19.903	ug/l	92
4) Vinyl Chloride	2.247	62	36884	20.331	ug/l	99
5) Bromomethane	2.619	94	26242	18.286	ug/l	99
6) Chloroethane	2.778	64	27094	20.358	ug/l	95
7) Trichlorofluoromethane	3.113	101	63857	20.794	ug/l	99
8) Diethyl Ether	3.521	74	23643	19.891	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	39728	20.925	ug/l	96
10) Methyl Iodide	4.082	142	34949	18.618	ug/l	98
11) Tert butyl alcohol	4.960	59	52598	107.369	ug/l #	86
12) 1,1-Dichloroethene	3.863	96	31997	20.287	ug/l	89
13) Acrolein	3.723	56	31548	158.903	ug/l	98
14) Allyl chloride	4.466	41	56592	19.882	ug/l	97
15) Acrylonitrile	5.155	53	80994	99.697	ug/l	98
16) Acetone	3.942	43	80582	91.798	ug/l	93
17) Carbon Disulfide	4.186	76	53757	19.232	ug/l	99
18) Methyl Acetate	4.473	43	64381	19.954	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	132396	19.576	ug/l	100
20) Methylene Chloride	4.704	84	48144	20.006	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	36228	20.222	ug/l	90
22) Diisopropyl ether	6.112	45	136800	19.406	ug/l	97
23) Vinyl Acetate	6.058	43	404141	96.578	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	74312	19.491	ug/l	97
25) 2-Butanone	6.978	43	119476	95.774	ug/l	97
26) 2,2-Dichloropropane	6.978	77	70368	19.389	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	48644	19.809	ug/l	94
28) Bromochloromethane	7.326	49	36455	20.875	ug/l	93
29) Tetrahydrofuran	7.344	42	73017	96.877	ug/l	92
30) Chloroform	7.502	83	84306	19.827	ug/l	97
31) Cyclohexane	7.783	56	54678	20.501	ug/l #	89
32) 1,1,1-Trichloroethane	7.698	97	73487	20.266	ug/l	99
36) 1,1-Dichloropropene	7.917	75	54116	20.660	ug/l	99
37) Ethyl Acetate	7.070	43	48429	20.360	ug/l	98
38) Carbon Tetrachloride	7.899	117	62904	20.274	ug/l	98
39) Methylcyclohexane	9.179	83	60247	20.409	ug/l	93
40) Benzene	8.155	78	157812	19.777	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	26536m	21.135	ug/l	
42) 1,2-Dichloroethane	8.234	62	57882	20.115	ug/l	96
43) Isopropyl Acetate	8.271	43	87547	19.796	ug/l	98
44) Trichloroethene	8.935	130	45981	20.078	ug/l	97
45) 1,2-Dichloropropane	9.216	63	44797	19.961	ug/l	100
46) Dibromomethane	9.301	93	28022	19.685	ug/l	98
47) Bromodichloromethane	9.490	83	67163	19.819	ug/l	99
48) Methyl methacrylate	9.289	41	37368	19.687	ug/l	94
49) 1,4-Dioxane	9.295	88	11303	407.106	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	253793	99.060	ug/l	94
52) Toluene	10.240	92	104117	19.941	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	67558	19.156	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	72419	19.473	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	42400	19.840	ug/l	94
56) Ethyl methacrylate	10.508	69	60765	19.428	ug/l	92
57) 1,3-Dichloropropane	10.788	76	69552	19.780	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	169087	115.826	ug/l	94
59) 2-Hexanone	10.831	43	183900	97.420	ug/l	92
60) Dibromochloromethane	10.984	129	50065	19.498	ug/l	99
61) 1,2-Dibromoethane	11.087	107	40059	19.641	ug/l	99
64) Tetrachloroethene	10.715	164	49086	21.529	ug/l	97
65) Chlorobenzene	11.514	112	120587	20.265	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	48484	20.037	ug/l	99
67) Ethyl Benzene	11.593	91	209911	20.234	ug/l	98
68) m/p-Xylenes	11.697	106	160214	40.807	ug/l	97
69) o-Xylene	12.026	106	80120	20.279	ug/l	97
70) Styrene	12.044	104	137415	20.255	ug/l	97
71) Bromoform	12.203	173	35018	20.270	ug/l #	99
73) Isopropylbenzene	12.325	105	218106	20.542	ug/l	99
74) N-amyl acetate	12.142	43	78164	20.354	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	54918	19.897	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	40420m	20.119	ug/l	
77) Bromobenzene	12.605	156	53284	20.529	ug/l	98
78) n-propylbenzene	12.666	91	259081	20.499	ug/l	98
79) 2-Chlorotoluene	12.752	91	148572	20.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	184342	20.691	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	17434	18.964	ug/l	98
82) 4-Chlorotoluene	12.849	91	151969	20.086	ug/l	98
83) tert-Butylbenzene	13.075	119	164988	20.362	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	179918	20.237	ug/l	98
85) sec-Butylbenzene	13.251	105	246503	20.804	ug/l	100
86) p-Isopropyltoluene	13.367	119	204951	20.730	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	104382	20.163	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	105025	20.240	ug/l	98
89) n-Butylbenzene	13.690	91	192411	20.789	ug/l	98
90) Hexachloroethane	13.959	117	40037	20.517	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	96896	20.089	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10628	19.999	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	62921	20.473	ug/l	99
94) Hexachlorobutadiene	15.111	225	34443	20.575	ug/l	99
95) Naphthalene	15.233	128	150864	19.742	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	55676	19.933	ug/l	99

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

