

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071822\
 Data File : VY009571.D
 Acq On : 18 Jul 2022 14:04
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/19/2022
 Supervised By :Mahesh Dadoda 07/19/2022

Quant Time: Jul 19 02:50:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 02:49:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	214512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	295432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	9969	4.914	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.820%#		
35) Dibromofluoromethane	7.710	113	10054	4.838	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.680%#		
50) Toluene-d8	10.173	98	37451	4.688	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	9.380%#		
62) 4-Bromofluorobenzene	12.477	95	11766	4.546	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	9.100%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	9697	5.152	ug/l	95
3) Chloromethane	2.107	50	15150	5.431	ug/l	95
4) Vinyl Chloride	2.241	62	15048	5.159	ug/l	97
5) Bromomethane	2.637	94	11401	5.775	ug/l	96
6) Chloroethane	2.784	64	9381	5.294	ug/l	97
7) Trichlorofluoromethane	3.107	101	17360	5.022	ug/l	98
8) Diethyl Ether	3.521	74	5126	4.533	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.887	101	10145	5.019	ug/l	94
10) Methyl Iodide	4.076	142	12173	4.534	ug/l #	87
11) Tert butyl alcohol	4.948	59	4992	20.887	ug/l #	92
12) 1,1-Dichloroethene	3.863	96	9759	4.947	ug/l #	78
13) Acrolein	3.722	56	3518	24.255	ug/l	99
14) Allyl chloride	4.466	41	14269	4.676	ug/l #	92
15) Acrylonitrile	5.143	53	13015	23.302	ug/l	98
16) Acetone	3.936	43	11852	23.094	ug/l #	87
17) Carbon Disulfide	4.180	76	29652	4.835	ug/l	100
18) Methyl Acetate	4.466	43	8913	6.187	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	23453	4.511	ug/l	99
20) Methylene Chloride	4.698	84	33626	9.163	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	10660	4.774	ug/l #	82
22) Diisopropyl ether	6.106	45	28754	4.413	ug/l #	95
23) Vinyl Acetate	6.051	43	82118	19.973	ug/l	95
24) 1,1-Dichloroethane	6.003	63	18241	4.847	ug/l	97
25) 2-Butanone	6.978	43	16269	21.732	ug/l #	89
26) 2,2-Dichloropropane	6.966	77	16779	4.977	ug/l	94
27) cis-1,2-Dichloroethene	6.972	96	11948	4.840	ug/l	85
28) Bromochloromethane	7.325	49	7459	4.626	ug/l	84
29) Tetrahydrofuran	7.344	42	10881	22.138	ug/l	89
30) Chloroform	7.502	83	19012	4.938	ug/l	96
31) Cyclohexane	7.777	56	18957	5.299	ug/l #	73
32) 1,1,1-Trichloroethane	7.697	97	16657	4.824	ug/l	95
36) 1,1-Dichloropropene	7.905	75	14501	4.722	ug/l	96
37) Ethyl Acetate	7.069	43	7976	4.667	ug/l	96
38) Carbon Tetrachloride	7.892	117	15480	4.816	ug/l	95
39) Methylcyclohexane	9.173	83	16806	4.439	ug/l	90
40) Benzene	8.149	78	42958	4.781	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3667m	4.329	ug/l	
42) 1,2-Dichloroethane	8.234	62	11994	4.758	ug/l	92
43) Isopropyl Acetate	8.264	43	13975	4.463	ug/l #	91
44) Trichloroethene	8.935	130	12429	4.864	ug/l	89
45) 1,2-Dichloropropane	9.209	63	10492	4.759	ug/l	98
46) Dibromomethane	9.301	93	5844	4.565	ug/l	90
47) Bromodichloromethane	9.490	83	14329	4.773	ug/l	98
48) Methyl methacrylate	9.289	41	5582	4.034	ug/l #	85
49) 1,4-Dioxane	9.289	88	1443	84.554	ug/l #	87
51) 4-Methyl-2-Pentanone	10.063	43	33184	20.409	ug/l	94
52) Toluene	10.240	92	25876	4.546	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	13706	4.420	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	15744	4.466	ug/l #	86
55) 1,1,2-Trichloroethane	10.636	97	8458	4.691	ug/l	94
56) Ethyl methacrylate	10.508	69	9109	3.949	ug/l	85
57) 1,3-Dichloropropane	10.788	76	13830	4.622	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	1421	1.659	ug/l	99
59) 2-Hexanone	10.831	43	22025	19.476	ug/l	93
60) Dibromochloromethane	10.983	129	9994	4.580	ug/l	99
61) 1,2-Dibromoethane	11.081	107	8282	4.708	ug/l	96
64) Tetrachloroethene	10.715	164	11161	4.827	ug/l	92
65) Chlorobenzene	11.514	112	29370	4.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	10427	4.649	ug/l	96
67) Ethyl Benzene	11.587	91	47955	4.516	ug/l	96
68) m/p-Xylenes	11.697	106	37276	8.821	ug/l	92
69) o-Xylene	12.026	106	17528	4.432	ug/l	91
70) Styrene	12.038	104	27677	4.208	ug/l	95
71) Bromoform	12.203	173	6315	4.461	ug/l #	99
73) Isopropylbenzene	12.325	105	45570	4.487	ug/l	100
74) N-amyl acetate	12.142	43	10596	3.923	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	9936	4.885	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	6384m	4.418	ug/l	
77) Bromobenzene	12.605	156	12302	4.817	ug/l	87
78) n-propylbenzene	12.666	91	55559	4.527	ug/l	98
79) 2-Chlorotoluene	12.751	91	31366	4.610	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	37135	4.425	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	3085	4.353	ug/l	91
82) 4-Chlorotoluene	12.849	91	32901	4.661	ug/l	95
83) tert-Butylbenzene	13.074	119	33410	4.481	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	37333	4.448	ug/l	97
85) sec-Butylbenzene	13.251	105	49960	4.520	ug/l	98
86) p-Isopropyltoluene	13.367	119	40523	4.362	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	24465	4.843	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	25163	5.023	ug/l	97
89) n-Butylbenzene	13.696	91	37827	4.458	ug/l	98
90) Hexachloroethane	13.958	117	8746	4.887	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	21257	4.816	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1406	4.544	ug/l	67
93) 1,2,4-Trichlorobenzene	15.007	180	13056	4.713	ug/l	99
94) Hexachlorobutadiene	15.111	225	8194	4.986	ug/l	99
95) Naphthalene	15.239	128	22270	4.211	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	11389	4.680	ug/l	97

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

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