

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121523\
 Data File : VY016655.D
 Acq On : 15 Dec 2023 15:05
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 00:06:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 15 23:53:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	239405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	380414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	326326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	156880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	8841	4.822	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.640%#		
35) Dibromofluoromethane	7.728	113	10426	5.110	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.220%#		
50) Toluene-d8	10.191	98	32933	5.996	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	12.000%#		
62) 4-Bromofluorobenzene	12.489	95	14637	5.597	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	10857	5.819	ug/l	99
3) Chloromethane	2.119	50	15522	5.338	ug/l	99
4) Vinyl Chloride	2.260	62	15996	4.792	ug/l	93
5) Bromomethane	2.662	94	12207	5.110	ug/l	98
6) Chloroethane	2.802	64	10565	4.866	ug/l	98
7) Trichlorofluoromethane	3.137	101	18214	4.886	ug/l	100
8) Diethyl Ether	3.540	74	5192	4.458	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	11728	5.087	ug/l	91
10) Methyl Iodide	4.101	142	11157	4.649	ug/l	95
11) Tert butyl alcohol	4.966	59	4085	25.855	ug/l	98
12) 1,1-Dichloroethene	3.881	96	10108	4.650	ug/l	95
13) Acrolein	3.735	56	3019	5.793	ug/l	98
14) Allyl chloride	4.491	41	13165	4.467	ug/l #	92
15) Acrylonitrile	5.174	53	11264	23.243	ug/l	98
16) Acetone	3.948	43	18819	14.067	ug/l #	89
17) Carbon Disulfide	4.204	76	32833	4.776	ug/l	100
18) Methyl Acetate	4.497	43	8585	4.695	ug/l	93
19) Methyl tert-butyl Ether	5.235	73	21754	4.269	ug/l	96
20) Methylene Chloride	4.729	84	20374	3.397	ug/l	91
21) trans-1,2-Dichloroethene	5.235	96	11772	4.649	ug/l #	80
22) Diisopropyl ether	6.131	45	26528	4.200	ug/l #	86
23) Vinyl Acetate	6.070	43	64705	20.792	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	18972	4.603	ug/l #	89
25) 2-Butanone	6.997	43	21930	19.852	ug/l #	89
26) 2,2-Dichloropropane	6.997	77	17544	4.794	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	12190	4.457	ug/l	92
28) Bromochloromethane	7.344	49	3937	5.413	ug/l	87
29) Tetrahydrofuran	7.362	42	8207	21.563	ug/l	94
30) Chloroform	7.521	83	20186	4.709	ug/l	90
31) Cyclohexane	7.795	56	20086	5.196	ug/l #	64
32) 1,1,1-Trichloroethane	7.710	97	18121	4.712	ug/l	98
36) 1,1-Dichloropropene	7.929	75	16085	4.759	ug/l	99
37) Ethyl Acetate	7.076	43	6834	4.907	ug/l #	80
38) Carbon Tetrachloride	7.911	117	15642	4.608	ug/l	97
39) Methylcyclohexane	9.191	83	19066	4.488	ug/l	90
40) Benzene	8.167	78	45121	4.555	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	3535m	4.780	ug/l	
42) 1,2-Dichloroethane	8.246	62	11465	4.529	ug/l	91
43) Isopropyl Acetate	8.277	43	10866	4.245	ug/l	95
44) Trichloroethene	8.947	130	12957	4.697	ug/l	91
45) 1,2-Dichloropropane	9.216	63	10495	4.535	ug/l	90
46) Dibromomethane	9.313	93	5574	4.356	ug/l	99
47) Bromodichloromethane	9.502	83	14569	4.506	ug/l #	96
48) Methyl methacrylate	9.301	41	5737	4.048	ug/l	88
49) 1,4-Dioxane	9.307	88	1171	85.420	ug/l #	71
51) 4-Methyl-2-Pentanone	10.075	43	28451	21.193	ug/l	89
52) Toluene	10.252	92	27082	4.365	ug/l	96
53) t-1,3-Dichloropropene	10.472	75	12781	4.190	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	15772	4.300	ug/l #	87
55) 1,1,2-Trichloroethane	10.654	97	8198	4.559	ug/l	97
56) Ethyl methacrylate	10.520	69	6006	3.852	ug/l #	86
57) 1,3-Dichloropropane	10.801	76	13308	4.447	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	19220	29.684	ug/l	90
59) 2-Hexanone	10.837	43	28430	25.813	ug/l	92
60) Dibromochloromethane	10.990	129	9517	4.367	ug/l	98
61) 1,2-Dibromoethane	11.099	107	7399	4.384	ug/l	98
64) Tetrachloroethene	10.728	164	12320	4.608	ug/l	91
65) Chlorobenzene	11.526	112	28931	4.545	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	10307	4.428	ug/l	96
67) Ethyl Benzene	11.599	91	50079	4.373	ug/l	99
68) m/p-Xylenes	11.715	106	37779	8.552	ug/l	92
69) o-Xylene	12.038	106	16996	4.206	ug/l	93
70) Styrene	12.050	104	23152	3.955	ug/l	95
71) Bromoform	12.215	173	5823	4.613	ug/l #	97
73) Isopropylbenzene	12.337	105	45059	4.083	ug/l	99
74) N-amyl acetate	12.154	43	7849	3.795	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.587	83	8406	4.478	ug/l	95
76) 1,2,3-Trichloropropane	12.636	75	5843m	4.084	ug/l	
77) Bromobenzene	12.617	156	11623	4.496	ug/l	94
78) n-propylbenzene	12.678	91	57289	4.344	ug/l	98
79) 2-Chlorotoluene	12.764	91	31271	4.318	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	36005	4.081	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	2710	4.310	ug/l	87
82) 4-Chlorotoluene	12.861	91	32535	4.344	ug/l	97
83) tert-Butylbenzene	13.081	119	33627	4.368	ug/l	94
84) 1,2,4-Trimethylbenzene	13.130	105	35717	4.082	ug/l	98
85) sec-Butylbenzene	13.264	105	48561	4.299	ug/l	99
86) p-Isopropyltoluene	13.380	119	40000	4.147	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	23224	4.622	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	23168	4.689	ug/l	94
89) n-Butylbenzene	13.703	91	39224	4.378	ug/l	99
90) Hexachloroethane	13.971	117	9094	4.737	ug/l	91
91) 1,2-Dichlorobenzene	13.751	146	19832	4.600	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1326	4.880	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	10496	4.507	ug/l	98
94) Hexachlorobutadiene	15.123	225	7525	5.383	ug/l	95
95) Naphthalene	15.245	128	15434	3.981	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	8525	4.440	ug/l	99

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

