

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001102.D
 Acq On : 27 Dec 2019 16:50
 Operator : SY/MD
 Sample : K6439-02MS
 Misc : 5.18G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01MS

Manual Integrations
 APPROVED

apatel
 12/30/2019 3:33:48 PM

Quant Time: Dec 28 04:43:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	33514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	61754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	56157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	25468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	19018	57.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.08%	
35) Dibromofluoromethane	7.72	113	18911	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	10.18	98	74494	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.48	95	24702	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	12730	43.591	ug/l	92
3) Chloromethane	2.11	50	15417	38.789	ug/l	100
4) Vinyl Chloride	2.25	62	14510	37.592	ug/l	95
5) Bromomethane	2.66	94	9304	37.404	ug/l	99
6) Chloroethane	2.80	64	9900	41.180	ug/l	94
7) Trichlorofluoromethane	3.13	101	25000	44.159	ug/l	100
8) Diethyl Ether	3.54	74	12200	52.791	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	17862	48.031	ug/l	98
10) Methyl Iodide	4.10	142	21157	41.176	ug/l	99
11) Tert butyl alcohol	4.96	59	10617	292.125	ug/l #	88
12) 1,1-Dichloroethene	3.88	96	17739	47.115	ug/l	99
13) Acrolein	3.73	56	12907	286.622	ug/l	100
14) Allyl chloride	4.49	41	27653	47.279	ug/l	93
15) Acrylonitrile	5.17	53	33836	292.960	ug/l	99
16) Acetone	3.95	43	22738	298.603	ug/l	96
17) Carbon Disulfide	4.19	76	43069	35.007	ug/l	97
18) Methyl Acetate	4.48	43	22163	75.863	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	55390	57.000	ug/l	97
20) Methylene Chloride	4.72	84	23585	52.621	ug/l #	80
21) trans-1,2-Dichloroethene	5.23	96	19789	47.426	ug/l	86
22) Diisopropyl ether	6.13	45	63291	53.535	ug/l	98
23) Vinyl Acetate	6.07	43	157376	210.782	ug/l #	92
24) 1,1-Dichloroethane	6.04	63	34992	50.086	ug/l	98
25) 2-Butanone	7.00	43	39758	297.207	ug/l	99
26) 2,2-Dichloropropane	7.00	77	25405	44.260	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	23592	51.464	ug/l	98
28) Bromochloromethane	7.34	49	17275	63.373	ug/l	99
29) Tetrahydrofuran	7.36	42	26447	277.934	ug/l	95
30) Chloroform	7.52	83	34271	51.877	ug/l	95
31) Cyclohexane	7.79	56	28142	38.307	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	25517	45.280	ug/l	92
36) 1,1-Dichloropropene	7.93	75	25422	43.152	ug/l	97
37) Ethyl Acetate	7.08	43	14139	43.344	ug/l #	89
38) Carbon Tetrachloride	7.91	117	23336	45.211	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	29508	37.718	ug/l	93
40) Benzene	8.17	78	83390	46.919	ug/l	97
41) Methacrylonitrile	7.32	41	6140m	43.414	ug/l	
42) 1,2-Dichloroethane	8.25	62	22004	51.783	ug/l	100
43) Isopropyl Acetate	8.28	43	28873	47.814	ug/l	95
44) Trichloroethene	8.94	130	21581	46.085	ug/l	100
45) 1,2-Dichloropropane	9.22	63	21934	49.194	ug/l	91
46) Dibromomethane	9.31	93	12375	53.842	ug/l	98
47) Bromodichloromethane	9.50	83	26091	49.007	ug/l #	98
48) Methyl methacrylate	9.30	41	13178	51.139	ug/l	91
49) 1,4-Dioxane	9.30	88	4833	1437.457	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	80663	256.284	ug/l	99
52) Toluene	10.25	92	51786	47.340	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	26142	45.244	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	31513	45.357	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	19741	57.533	ug/l	88
56) Ethyl methacrylate	10.51	69	22034	45.119	ug/l	97
57) 1,3-Dichloropropane	10.79	76	33173	55.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	41548	220.275	ug/l	99
59) 2-Hexanone	10.83	43	50377	231.318	ug/l	96
60) Dibromochloromethane	10.99	129	18243	49.774	ug/l	99
61) 1,2-Dibromoethane	11.09	107	17766	54.145	ug/l	98
64) Tetrachloroethene	10.72	164	25388	52.250	ug/l	95
65) Chlorobenzene	11.52	112	54657	46.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	18779	48.851	ug/l	96
67) Ethyl Benzene	11.59	91	95500	45.580	ug/l	99
68) m/p-Xylenes	11.70	106	70212	88.256	ug/l	100
69) o-Xylene	12.03	106	35686	47.681	ug/l	98
70) Styrene	12.04	104	58026	45.597	ug/l	99
71) Bromoform	12.20	173	10790	50.410	ug/l #	94
73) Isopropylbenzene	12.33	105	86468	43.874	ug/l	97
74) N-amyl acetate	12.14	43	18872	36.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	20602	53.063	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	17327m	55.187	ug/l	
77) Bromobenzene	12.61	156	21374	48.221	ug/l	97
78) n-propylbenzene	12.67	91	104031	43.320	ug/l	99
79) 2-Chlorotoluene	12.75	91	59064	44.536	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	70599	43.702	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	4560	30.976	ug/l	85
82) 4-Chlorotoluene	12.85	91	61954	44.976	ug/l	98
83) tert-Butylbenzene	13.07	119	57023	42.050	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	73089	45.023	ug/l	98
85) sec-Butylbenzene	13.25	105	83493	41.764	ug/l	98
86) p-Isopropyltoluene	13.36	119	73319	42.384	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	39793	46.744	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	38569	44.912	ug/l	99
89) n-Butylbenzene	13.69	91	70483	40.497	ug/l	98
90) Hexachloroethane	13.95	117	12225	37.510	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	37507	47.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2957	45.522	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	21121	39.847	ug/l	99
94) Hexachlorobutadiene	15.11	225	7772	30.813	ug/l	96
95) Naphthalene	15.23	128	50476	40.493	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	18957	40.104	ug/l	99

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

